



State of Utah

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Lieutenant Governor

Department of
Environmental Quality

Amanda Smith
Executive Director

DIVISION OF WATER QUALITY
Walter L. Baker, P.E.
Director

Water Quality Board
Myron E. Bateman, *Chair*
Clyde L. Bunker, *Vice Chair*
Merritt K. Frey
Gregg A. Galecki
Jennifer M. Grant
Leland J. Myers
Shane E. Pace
Hugo E. Rodier
Amanda Smith
Walter L. Baker
Executive Secretary

MINUTES
UTAH DEPARTMENT OF ENVIRONMENTAL QUALITY
UTAH WATER QUALITY BOARD
Logan City Environmental Department
153 North 1400 West
Logan, Utah
October 23, 2013

UTAH WATER QUALITY BOARD MEMBERS PRESENT

Myron Bateman	Clyde Bunker	Shane Pace
Jennifer Grant	Leland Myers	Merritt Frey
Hugo Rodier	Gregg Galecki	
Absent: Amanda Smith		

DIVISION OF WATER QUALITY STAFF MEMBERS PRESENT

Walt Baker, Leah Ann Lamb, Faye Bell, Ed Macauley, Lisa Nelson, Dan Hall, Bill Damery, Paul Krauth, John Mackey

OTHERS PRESENT

<u>Name</u>	<u>Organization Representing</u>
Benjamin Reeves	Santaquin City
James DeGraffenried	Santaquin City
James Linford	Santaquin City
Randy Watts	Logan City
Holly Daines	Logan City
Shannon Nielsen	Herald Journal
Arthur Kaplan?	Utah State University
Lyle Hillyard	Utah Senate
Matt Dugdale	Logan City
Ron Sims	Utah State University
Christian Iverson	Utah State University
Terence Smith	Utah State University
Douglas Neilsen	Sunrise Engineering
Craig Ashcroft	Carollo Engineering
Alexandra Rasband	Logan City
Kim Parks	Logan City
Janet Terry	Logan City
Issa Hamud	Logan City

Myron Bateman called the Board meeting to order at 11:25 a.m. and invited the members of the audience to introduce themselves.

APPROVAL OF MINUTES OF THE SEPTEMBER 24, 2013 MEETING

Motion: **It was moved by Mr. Myers and seconded by Ms. Grant to approve the minutes of the September 23, 2013. The motion was unanimously approved.**

Executive Secretary's Report: Mr. Baker explained that the issue of nutrient strategy is still first and foremost on our minds. He made a presentation last week to the legislative interim committee. Other individuals joined him there including: an outdoor recreation representative who discussed the importance of clean water for tourism; a wildlife resources biologist who explained what happens when you have low dissolved oxygen caused by nutrients in the water; Paul Jakus, from Utah State University, who discussed the economic benefits of reducing nutrients; and a representative from the duck clubs who explained the negative nutrient impact on duck hunting associated with algal blooms. It was a good discussion.

There is going to be legislation sponsored by the Department of Agriculture and Food relative to its ACES program, which was presented to the Board previously. Some program elements will bring changes in how DWQ addresses levels of pollutants that may come from nonpoint source contributions, including a potential waiver of fines for agricultural operations that participate in the ACES program. Currently there is not a provision in state statute that gives an off-ramp for polluting, which will be controversial. Another element proposes that the state defend ACES participants from third party lawsuits. Staff will work with DAF on these proposed statutory changes and will also meet with Senator Okerlund, and general counsel next week.

Mr. Baker also reported an interesting development with the Union Pacific causeway that crosses the Great Salt Lake. Due to potential loss of structural integrity, a segment of the causeway needs to be removed and elevated, which may change the dynamics of the chemistry and salinity between the north arm and south arm of the lake. The ecosystem has adapted to that differential since the causeway was constructed in the 1950's. Staff plans to meet with the railroad in November to see if an agreement can be reached on the potential effects of the proposal and how to proceed. Mr. Myers pointed out that mixing the water by opening up the dyke and closing culverts could have major impacts to both arms of the lake causing disruption to the brine shrimp industry, destroying major food sources for the birds, as well as have an impact on the salt extraction industry. Neither are the full impacts of changing the salinity concentrations in the lake is known.

The PR Springs (US Oil Sands) permit, which was previously adjudicated by an administrative law judge, is being prepared to go before the Utah Supreme Court sometime in the spring. Also, the Red Leaf ground water permit has gone out for public comment. Thus far over 35,000 comments have been received, mostly on form letters, and staff is still going through them. The central issues seem to be about fossil fuels and land use, not groundwater.

FUNDING REQUEST

Financial Assistance Status Report– Mr. Macauley updated the Board on the “Summary of Assistance Program Funds” as shown on page 2.1 of the Board packet.

2014 Intended Use Plan (IUP) and Project Priority List (PPL): Mr. Macauley presented the FY 2014 IUP (Intended Use Plan) and PPL (Project Priority List) to the Board and requested approval to go to public comment for feedback on both items.

Motion: **It was moved by Mr. Galecki and seconded by Mr. Myers to approve staff's recommendation to take the 2014 IUP and PPL to public comment. The motion was unanimously approved.**

Logan City Introduction – Ms. Nelson introduced Mayor Randy Watts and Matt Dugdale from Logan City and Craig Ashcroft with Carrollo Engineering. Logan City is requesting a \$70,000,000 loan at an interest rate of 0.0% repayable over 20 years to construct a new wastewater treatment plant. Mayor Watts introduced the project explaining with changes in EPA standards, the new facility is necessary for Logan to be in compliance. Logan City selected the 3-Stage Bardenpho Bioreactor to meet the new phosphorous and chronic ammonia limits. This process is widely used to biologically remove both nitrogen and phosphorus to minimize chemical addition and filtration. Clarifiers will be used to remove and return the bacteria to the bioreactor. In addition to phosphorus reduction, the filters will remove biological solids, and enhance the UV disinfection process. Senator Lyle Hillyard, spoke in favor of the Board funding the project. This was an introduction with a formal request being made at the next Board meeting.

Santaquin City Funding Request: Ms. Nelson introduced Mayor James DeGraffenried, Benjamin Reeves and James Linford from Santaquin City. On February 25, 2009 the Board authorized Santaquin City funding, in conjunction with financing from USDA Rural Development, to build a new MBR wastewater treatment facility to replace the existing lagoon facility. After over a year of contentious delays, including a highly political referendum on the project and other legalities, the City began construction in March of 2012. The final work required for completion and startup of the plant is to install the Supervisory Control and Data Acquisition (SCADA) system. Due to cost overruns Santaquin City requested additional project funding in the form of a \$105,000 construction grant to complete this project.

Motion: **It was moved by Mr. Pace and seconded by Ms. Grant to provide a \$76,000 grant to Santaquin City as well as the flexibility to use the debt reserve to complete the project and delay building up the required debt reserve. The motion was approved with Mr. Bunker voting against.**

RULEMAKING

Adoption of rule change for Section R317-6-6.5 *Notice of Intent To Issue A Ground Water Discharge Permit:* Mr. Hall recommended that the Water Quality Board adopt the proposed changes to *Utah Administrative Code, R317-6-6.5* as shown in the packet.

Motion: **It was moved by Mr. Myers and seconded by Ms. Grant to adopt the proposed changes to R317-6-6.5. The motion was unanimously approved.**

**Next Meeting – December 5, 2013 @ 9:30 a.m.
DEQ Building Board Room #1015
195 North 1950 West
Salt Lake City, Utah 84116**

Myron Bateman, Chair
Utah Water Quality Board